

| Examiner | | Patent/Publication Number | Publication/Issue Date | Name | Filing Date |
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| FORM PTO-1449A INFORMATION DISCLOSURE CITATION | | N DISCLOSURE CITATION | July 8, 2003 | Group Art Unit: 2873 | |
| | | | Applicant: SAIGUSA, et al | | |
| | | DM DTO 1449A | Attorney Docket: 1232-5070 | Serial No.: 10/616,329 | |
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| 20 | 1. | 2001/0028438 A1 | Oct. 11, 2001 | | Matsumoto | | 3/14/2001 |
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| Examiner Initials* | Cite No. | Include name of the author (i journal, serial, symposium | n CAPITAL LETTERS), title of the a m, catalog, etc.), date, page(s), volum publishe | article (when appropriate), title of the item (book, magazine, ie-issue number(s), publisher, city and/or country where id. |
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| BP | 2. | Japanese translation o | f Korean Official Letter/Se | arch Report dated 9//29/2005 |
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| Initial | | Patent Number | Publication Date | China w/English | Copy Fried | Translatio | |
| H | 1. | 1154907 | 6/23/2004 | translation corres. to EP0666684 | ⊠ Yes | ☐ Yes 🖾 No | |
| SP | 2. | 7-262081 | 10/13/1995 | Japan w/English abstract | ⊠ Yes | ☐ Yes 🖾 No | |
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Serial No.: 10/616,329

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| \sim | , | 1154907 | 6/23/2004 | China | ⊠ Yes | ☐ Yes 🛭 No |

| 191 | 2. | 7-262081 | 10/13/1995 | Japan | ⊠ Yes | ∐ Yes ⊠ No |
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| Applicant: SAIGUSA, et al | | · · · · · · · · · · · · · · · · · · · |
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NON PATENT LITERATURE DOCUMENTS

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| Examiner Initials* | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
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| | 1 | Patent Number 4-38582 | Public | ation te | | | Class | | Yes No |
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